

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2021-09
Jefferson | 5-80001 | US-60

This document constitutes a Request for Proposals for a Professional Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

County - Jefferson
Route - US-60 (Shelbyville Road)
Item No. - 5-80001.00
Project Description - Widen US-60 to six lanes from Old Shelbyville Road to North English Station Road (18ccn) (2020ccr)

II. PROJECT INFORMATION

Project Manager - Kameryn Underwood, P.E.
User Division - Highway Design
Approximate Fee - \$415,000 (Lump Sum) Preliminary Engineering
Project Funding - Federal Funds (NH)
Project Length - Approximately 0.591 miles

III. PURPOSE AND NEED

The purpose of the proposed US-60 project is to decrease congestion and improve safety, operations and roadway traffic capacity as a result of the expected increased traffic due to major transportation and development changes in the Louisville Metro area. The need is expressed through high critical crash rate factors, continued land development, and congested traffic operations.

IV. DBE REQUIREMENT

The Consultant team shall include a DBE Participation Plan with their Response to Announcement to help the Department meet the 11.95% DBE goal established by FHWA. The plan needs to demonstrate how DBE companies will be mentored or used to assist in the area(s) pertaining to this contract. An additional page will be allowed in the Project Approach (Page 7) to demonstrate this plan. A maximum of 4 points will be considered in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

The selected Consultant will be required to provide engineering services to:

- Traffic Engineering Analysis as per Design memo 03-11
- Conducting Public Involvement activities
- Gathering any necessary survey for the project area.
- Planning
- Advanced Traffic Analysis
- Traffic Modeling
- Signal Analysis
- Prepare Preliminary Line & Grade plans, estimates, and DES (Design Executive Summary) for the widening of US-60 to 6-lanes from Old Shelbyville Road to North English Station Road.
- Gather survey for the project area.
- Analyze existing and proposed traffic, including existing hourly traffic counts, traffic projections, existing and proposed signal operations, and related information.
- Analyze safety and geometrics along the mainline at all intersections within the study area.
- Conduct public involvement activities.
- Perform safety and operational performance analyses along the mainline at all intersections within the study area for alternatives presented.
- Preliminary drainage design.
- Preliminary Right-of-Way design.
- Cost estimates associated with Phase I Design.
- Cost estimates associated with likely breakout projects; Phase II design, construction segments and estimates.

This Project, or segment of the Project, may be advanced to Final Roadway Design by Contract Modification. The Department reserves the right to advance the entire corridor to Final Roadway Design or break it into sections for Final Roadway Design. The Department also reserves the right to advertise the entire project or parts thereof for Final Roadway Design.

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

<https://transportation.ky.gov/ProfessionalServices/Pages/Respond-to-an-Announcement.aspx>

VII. AVAILABLE STUDIES

[DNA Study | US 60 Jefferson County \(2021\)](#)

[Middletown to Simpsonville Need Analysis Study \(2019\)](#)

[I-265 Programming Study \(2015\)](#)

VIII. METHOD OF DESIGN

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans. Refer to the 2019 CADD Standards for ORD V4 Project Development Memo for information pertaining to the latest CADD Standards and plan submittal.

IX. ENVIRONMENTAL SERVICES

The Department is anticipated to provide any necessary Environmental Services required for the project.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide LiDAR digital mapping and will furnish manuscripts on computer disks in DGN format. The selected Consultant shall supplement this information with conventional surveying as needed.

XI. STRUCTURE DESIGN

Structure Design is not anticipated for Preliminary Design. When the project advances to Final Design and if the selected Consultant is retained for Final Design services, the selected Consultant shall do the necessary engineering services to submit to the KYTC an Advanced Situation Folder(s) for the appropriate structure(s). The selected Consultant may be responsible for any necessary Structure Design services. Structure Design of the proposed structure(s) may be added as a Contract Modification. Prequalification in the area of Structure Design is not required to be identified in the Consultant's Response to Announcement.

XII. GEOTECHNICAL SERVICES

The Department is anticipated to provide all Geotechnical Services required for the project.

XIII. TRAFFIC ENGINEERING

The selected Consultant will provide the analysis of the existing and proposed operations including hourly traffic counts, traffic projections, existing and proposed interchange operations, and related information. Traffic Signal Design and Lighting Design services, if necessary for the completion of Final Design, may be added by Contract Modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised traffic services.

XIV. UTILITIES

The Department will be responsible for estimating Utility costs based on plans provided by the consultant. The selected Consultant shall provide a project location map to the Department. The Department will send project location maps to all potential utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected Consultant. All utilities including aerial carriers shall be field-verified by the Consultant. Sizes and types of underground and aerial utilities shall be identified on the plans for each alignment

alternative in the PL&G submittal. Plans shall be provided by the consultant in both .pdf and .dgn format. These will be distributed by the Department to utility representatives for review and comment.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities during final design. The consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on final plans shall be adjusted as necessary to reflect actual B.U.D. locates.

XV. PREQUALIFICATION REQUIREMENTS

To respond to this project the Consultant must be prequalified in the following areas by the response due date of this advertisement:

Roadway Design

- Rural Roadway Design
- Advanced Traffic Engineering Design & Modeling
- Surveying
- Urban Roadway Design

Structure Design (please see note below)*

- *Spans Under 500 Feet*

Traffic Engineering (please see note below)

- Traffic Engineering
- *Electrical Engineering Roadway Lighting **
- *Electrical Engineering Traffic Signals **

Transportation Planning

- Traffic Forecasting
- Traffic Data Collection
- Pedestrian & Bicycle Planning & Design
- *Travel Demand & Simulation Modeling **

Geotechnical Services (please see note below)*

- *Geotechnical Engineering*
- *Geotechnical Drilling*
- *Geotechnical Laboratory Testing*

Environmental Aquatic & Terrestrial Ecosystems Analysis (please see note below)*

- *Water Quality*
- *Botany*
- *Wetlands*

Environmental Archaeology & Other Services (please see note below)*

- *Prehistoric Archaeology*
- *Historic Archaeology*
- *Highway Noise Analysis*
- *Air Quality Analysis*
- *Stream & Wetland Mitigation*
- *Socio-Economic Analysis*

- *Cultural-Historic Analysis*

[Environmental & UST Services](#) (please see note below)*

- *UST & Hazmat Preliminary Site Assessment (Phase I)*
- *UST Site Investigation (Phase II)*

** Note – Structural Design, Roadway Lighting, Traffic Signals, Travel Demand & Simulation Modeling, Geotechnical Services, and Environmental Services prequalifications are not required with the initial proposal as it is uncertain to the extent practicable if they are necessary. Should these services become necessary during the delivery of the project in this or future phases, the selected Consultant team must obtain the required qualifications before providing those services, or bring on a prequalified subconsultant at that time.*

XVI. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Advertisement Date: March 9, 2021
- Response Date: March 31, 2021 by 4:30 PM ET (Frankfort Time)
- First Selection: April 5, 2021
- Final Selection: April 21, 2021
- Pre-Design Conference: April 28, 2021
- Consultant Fee Proposal: May 7, 2021
- Contract Negotiations: May 19, 2021
- Notice To Proceed: June 9, 2021

XVII. PROJECT SCHEDULE

- Preliminary Line & Grade Inspection – July 2022
- Submit DES – August 2022

XVIII. EVALUATION FACTORS

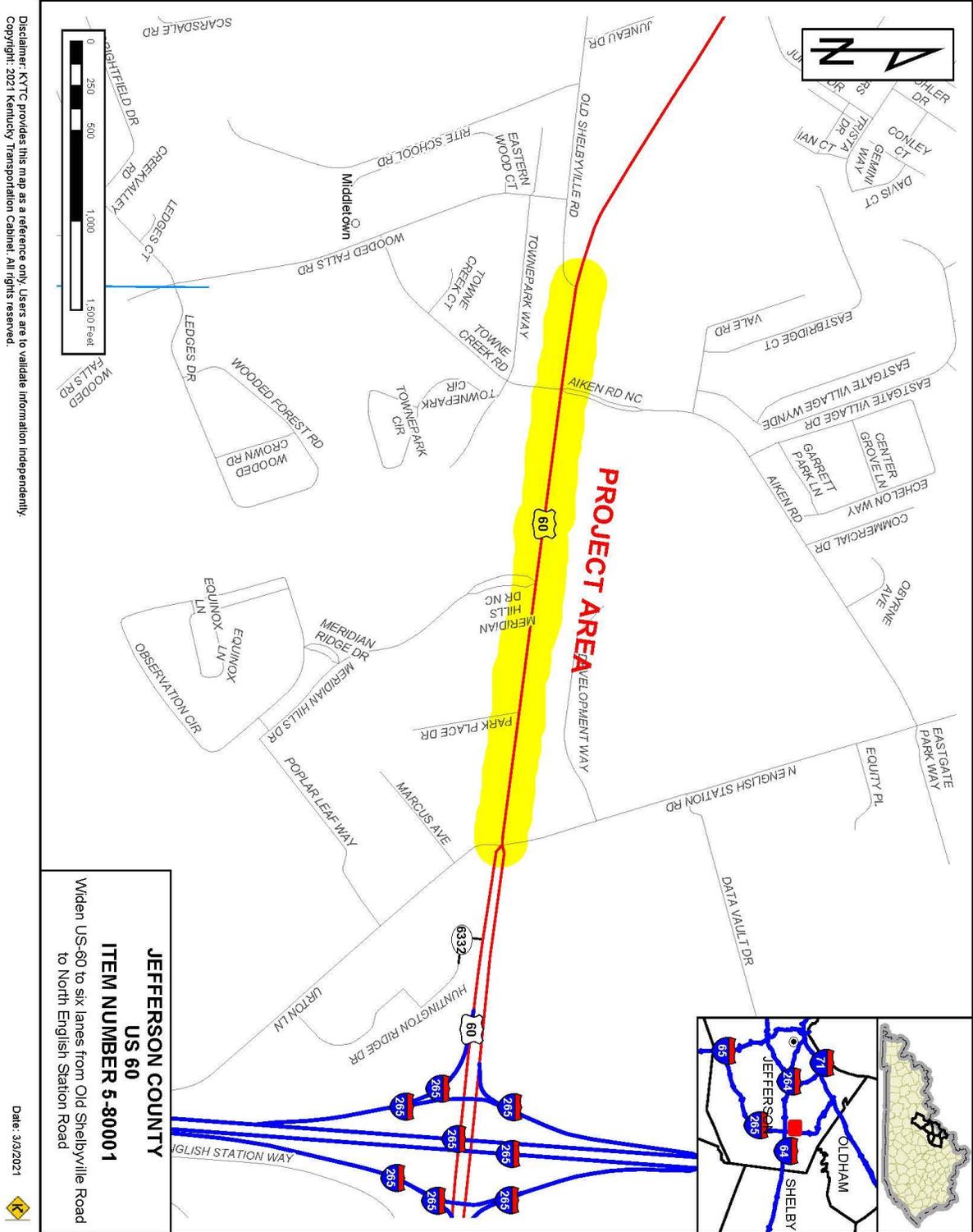
Consultants will be evaluated by the selection committee based on the following, weighted factors:

1. Project approach and proposed procedures to accomplish the services for the project. (20 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. DBE Participation Plan. (4 Points)
6. Knowledge of the locality and familiarity of the general geographic area. (2 Points)

XIX. SELECTION COMMITTEE MEMBERS

1. Kameryn Underwood, P.E., User Division
2. Patrick Perry, P.E., User Division
3. David Erickson, P.E., Secretary's Pool
4. Joseph Van Zee, P.E., Secretary's Pool
5. R. Bruce Scott, P.E., Governor's Pool

XX. AREA MAP



Disclaimer: KYTC provides this map as a reference only. Users are to validate information independently.
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JEFFERSON COUNTY
US 60
ITEM NUMBER 5-80001
 Widen US-60 to six lanes from Old Shelbyville Road to North English Station Road

Date: 3/3/2021